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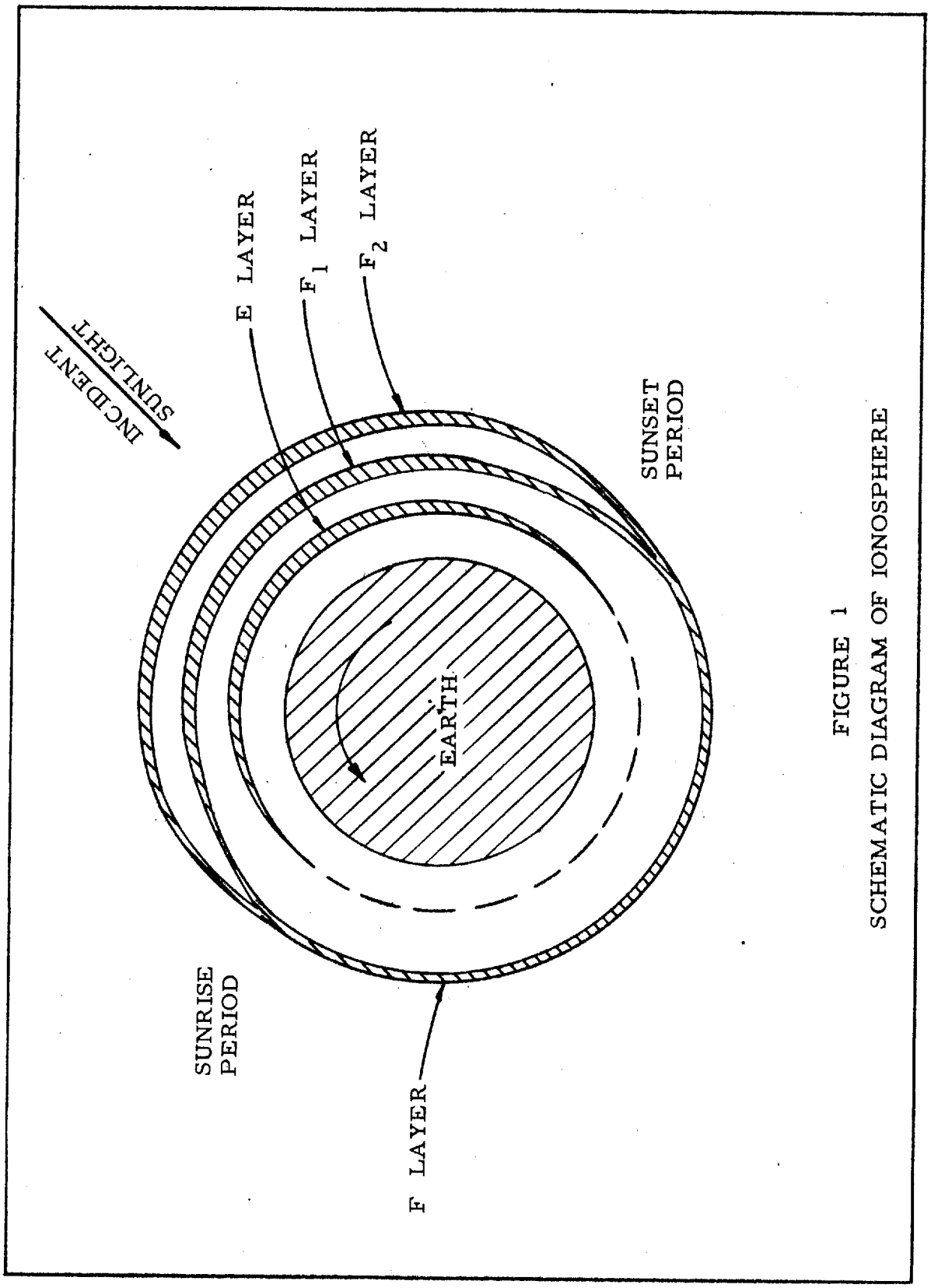

FIGURE 1
SCHEMATIC DIAGRAM OF IONOSPHERE

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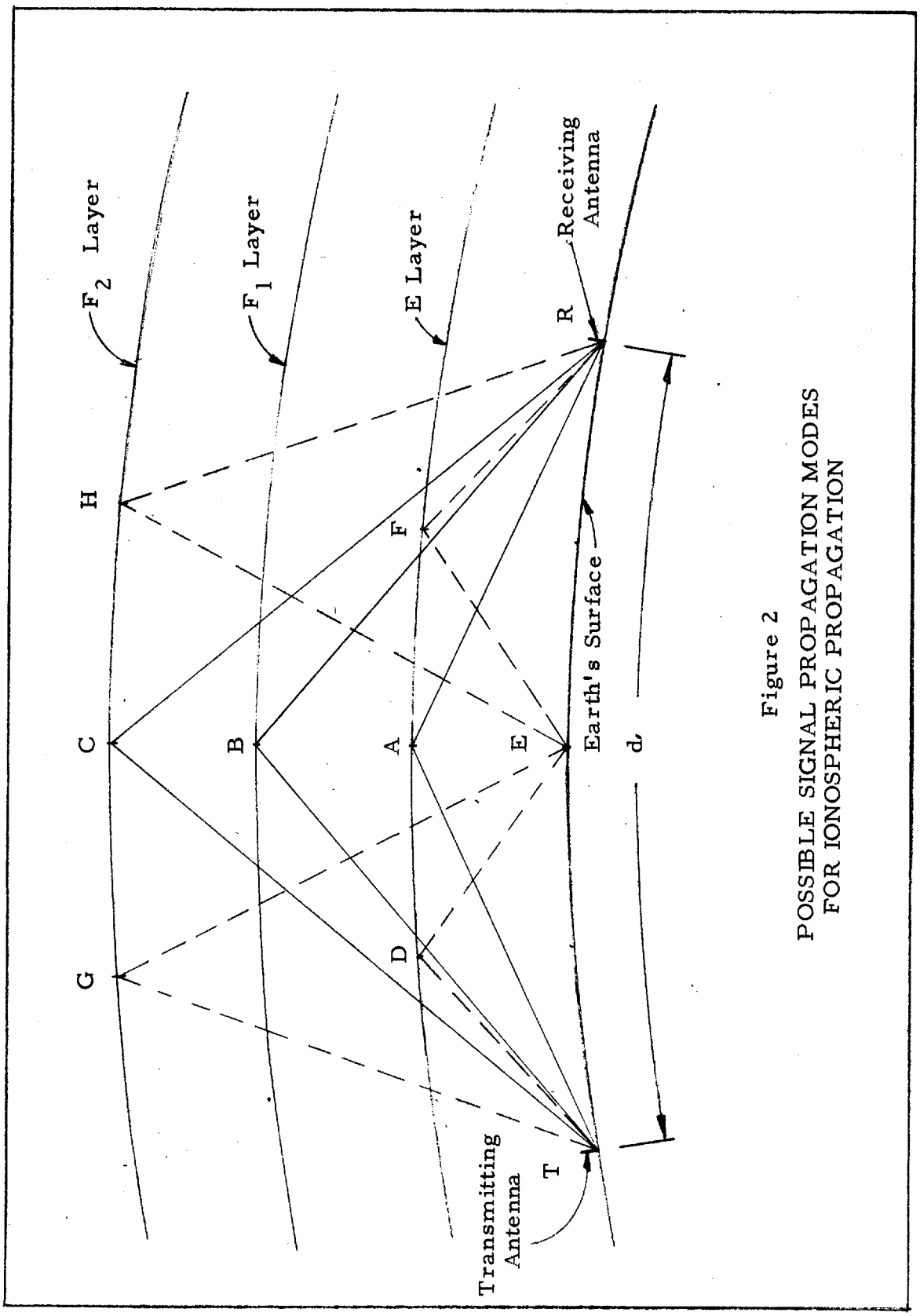

Figure 2
POSSIBLE SIGNAL PROPAGATION MODES
FOR IONOSPHERIC PROPAGATION

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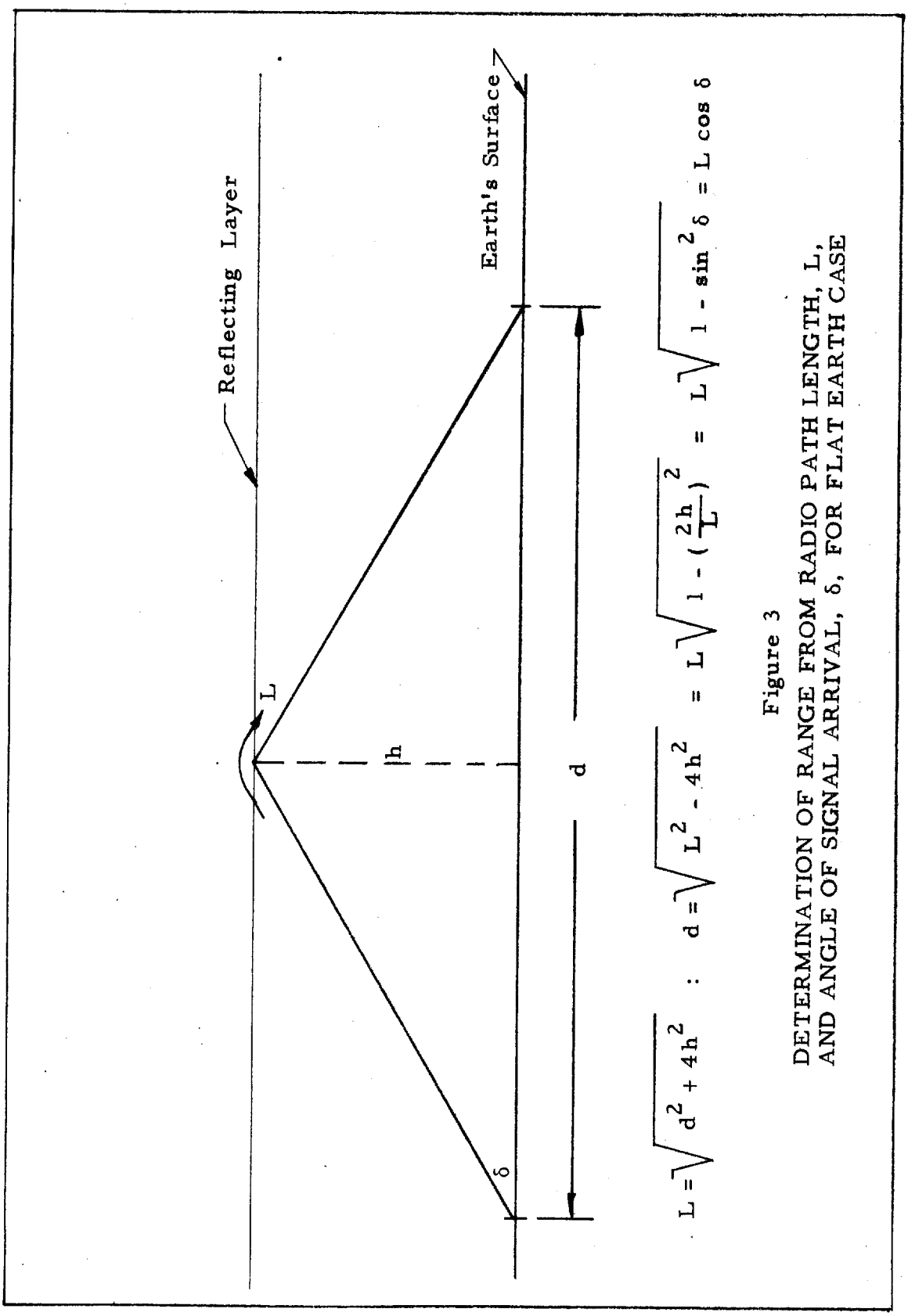

$$L = \sqrt{d^2 + 4h^2} \quad : \quad d = \sqrt{L^2 - 4h^2} = L\sqrt{1 - \left(\frac{2h}{L}\right)^2} = L\sqrt{1 - \sin^2\delta} = L\cos\delta$$

Figure 3

DETERMINATION OF RANGE FROM RADIO PATH LENGTH, L, AND ANGLE OF SIGNAL ARRIVAL, δ, FOR FLAT EARTH CASE

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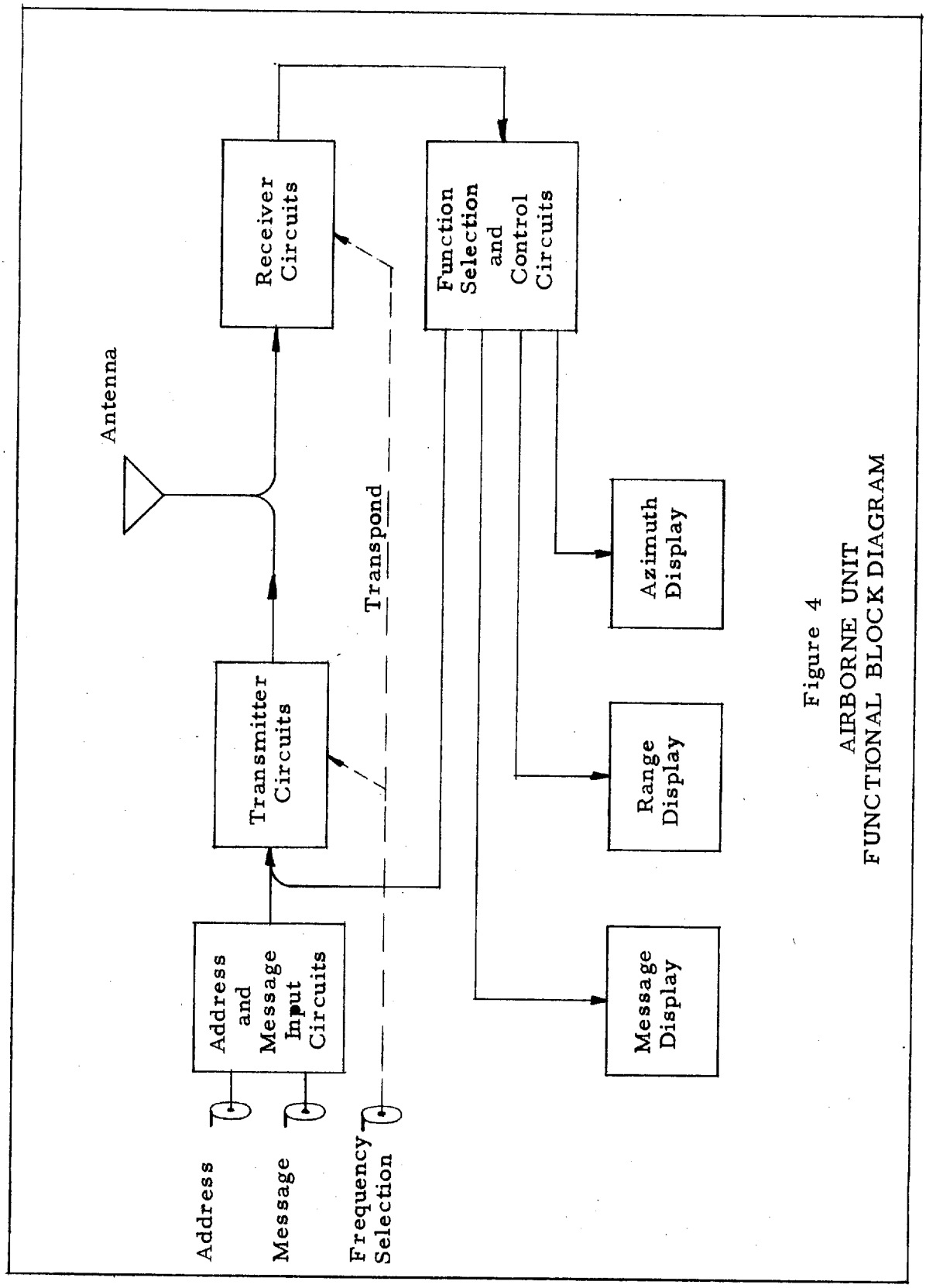

Figure 4
AIRBORNE UNIT
FUNCTIONAL BLOCK DIAGRAM

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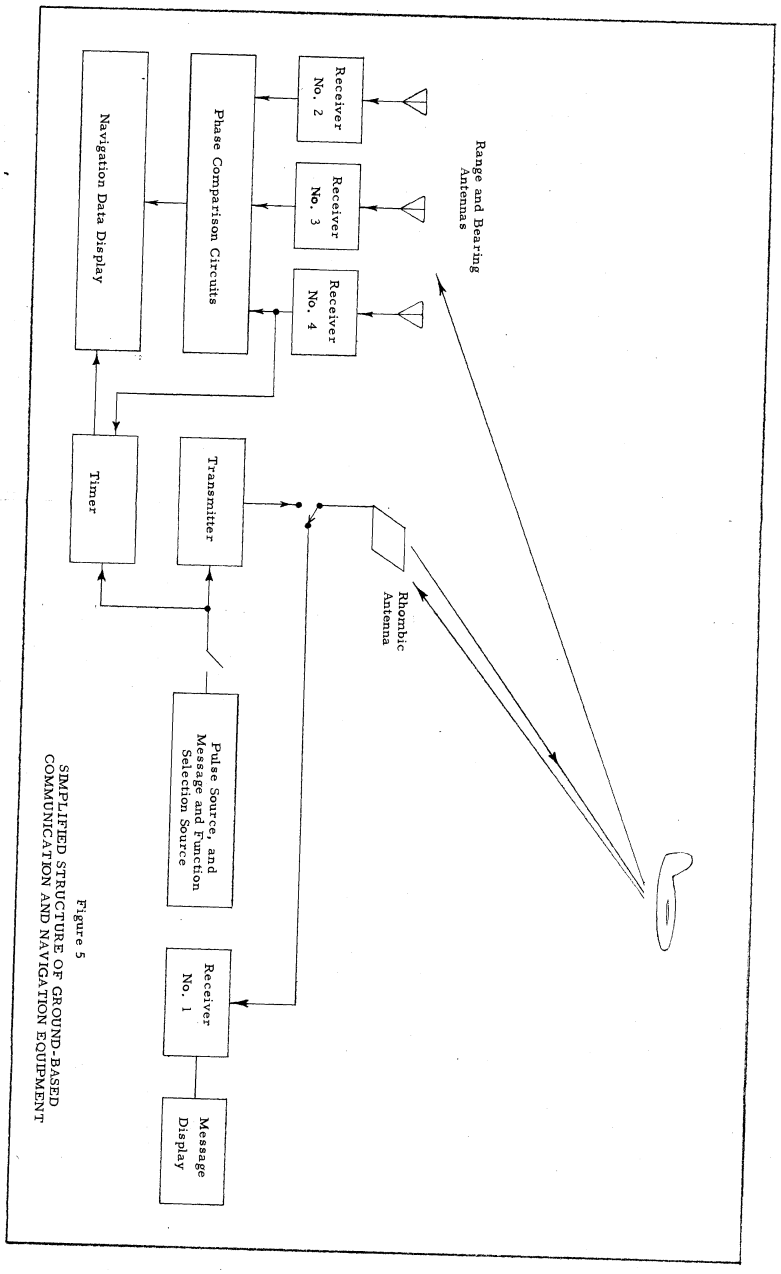

Figure 5
SIMPLIFIED STRUCTURE OF GROUND-BASED COMMUNICATION AND NAVIGATION EQUIPMENT

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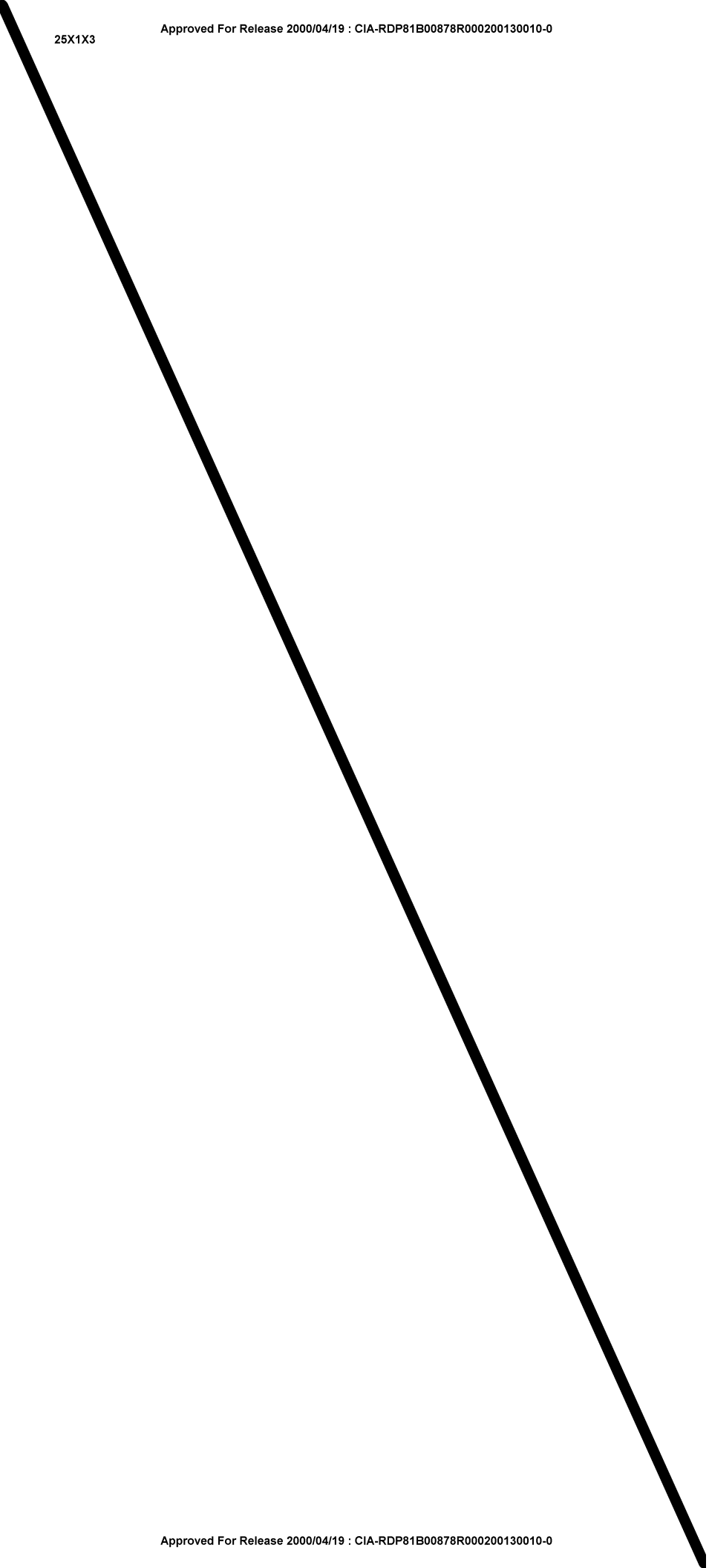
25X1X3



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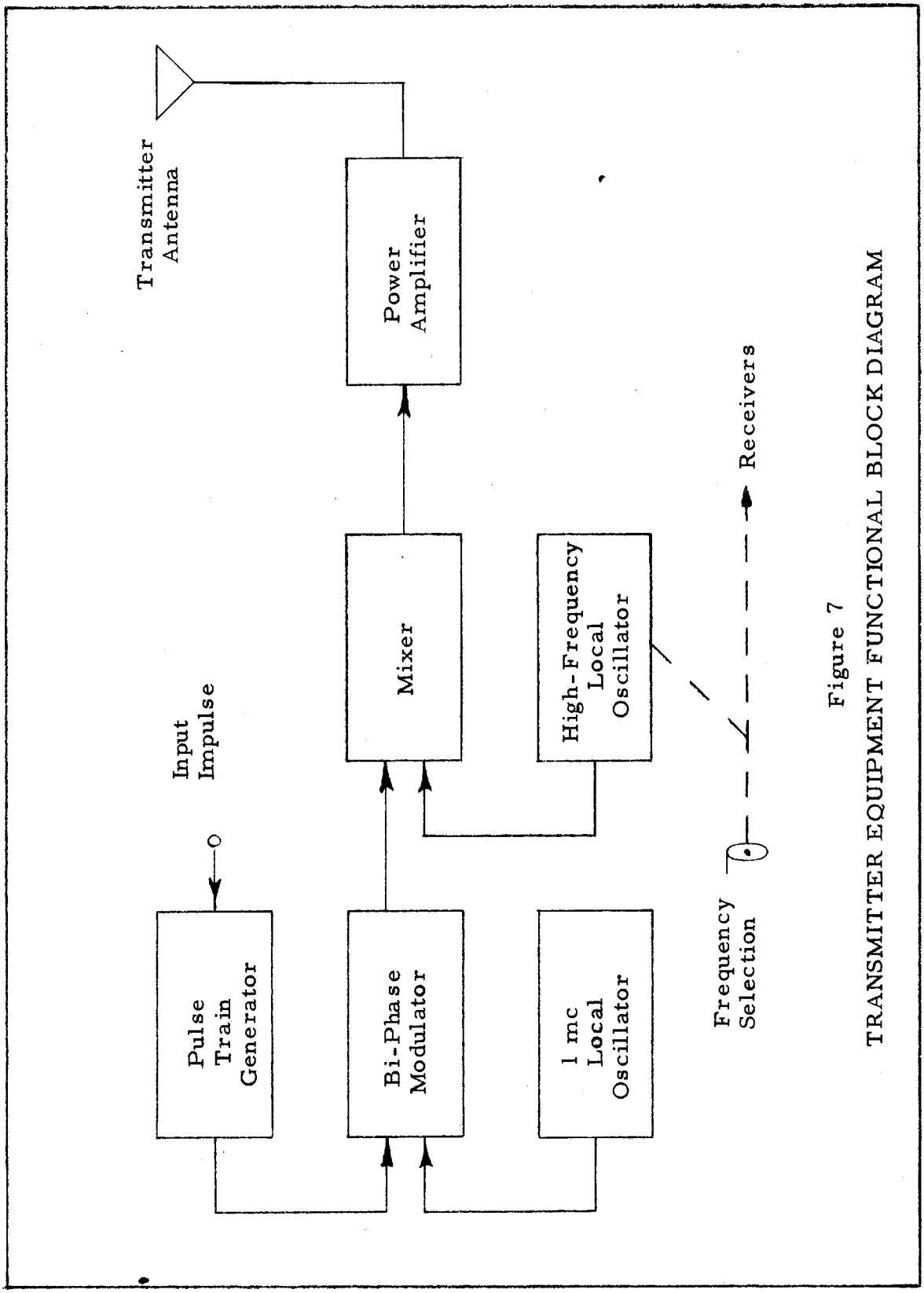

Figure 7

TRANSMITTER EQUIPMENT FUNCTIONAL BLOCK DIAGRAM

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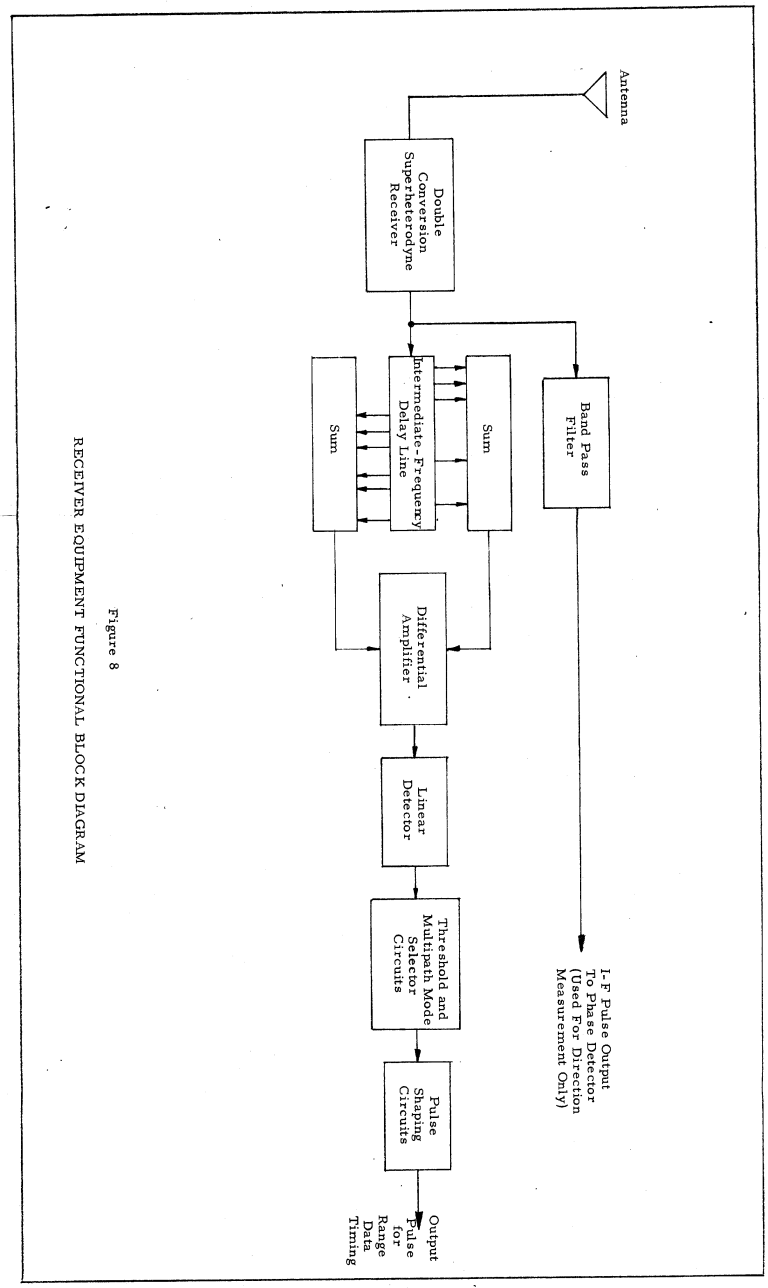

Figure 8

RECEIVER EQUIPMENT FUNCTIONAL BLOCK DIAGRAM

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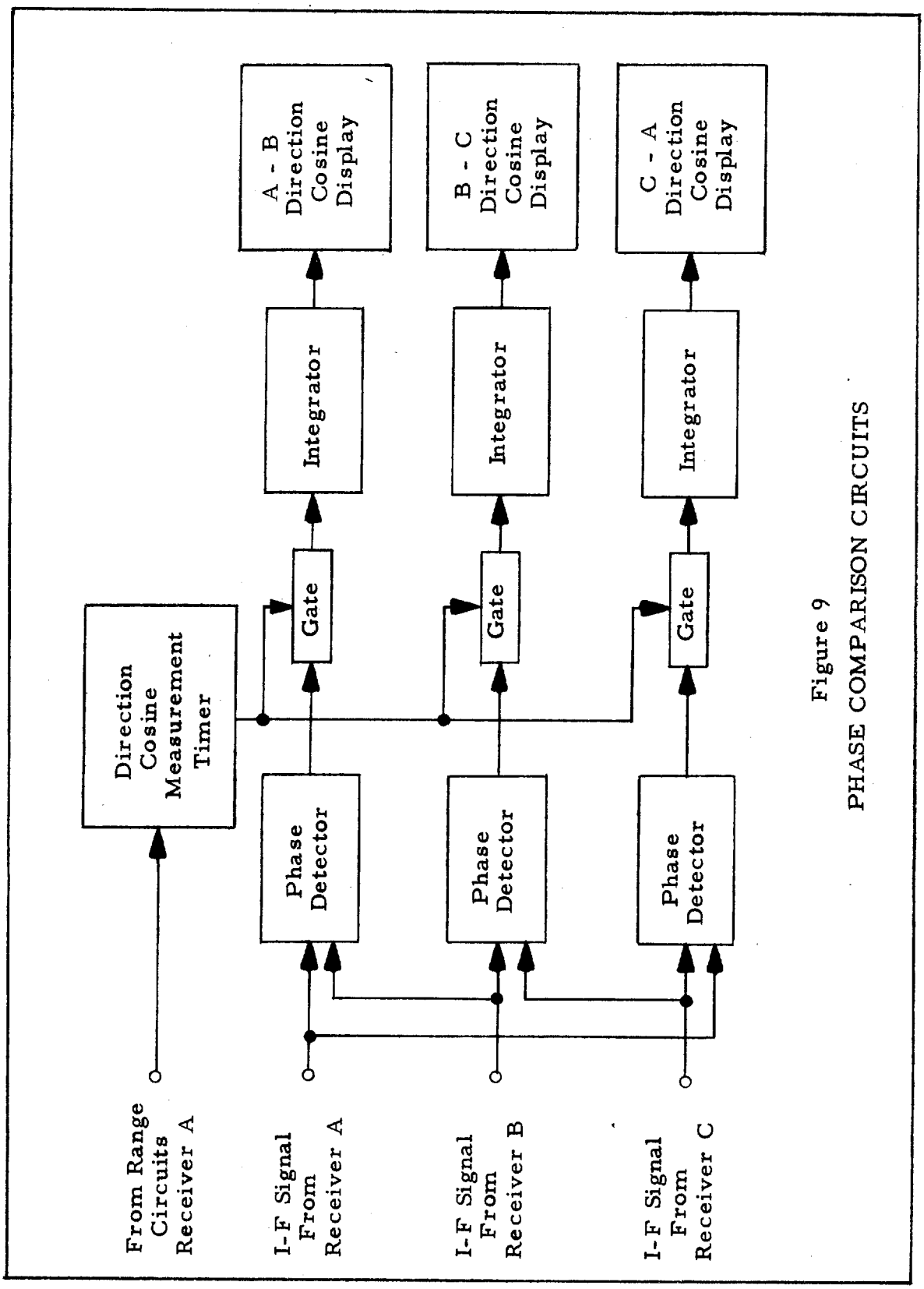

Figure 9

PHASE COMPARISON CIRCUITS

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